

FIG. 1A
(prior art)

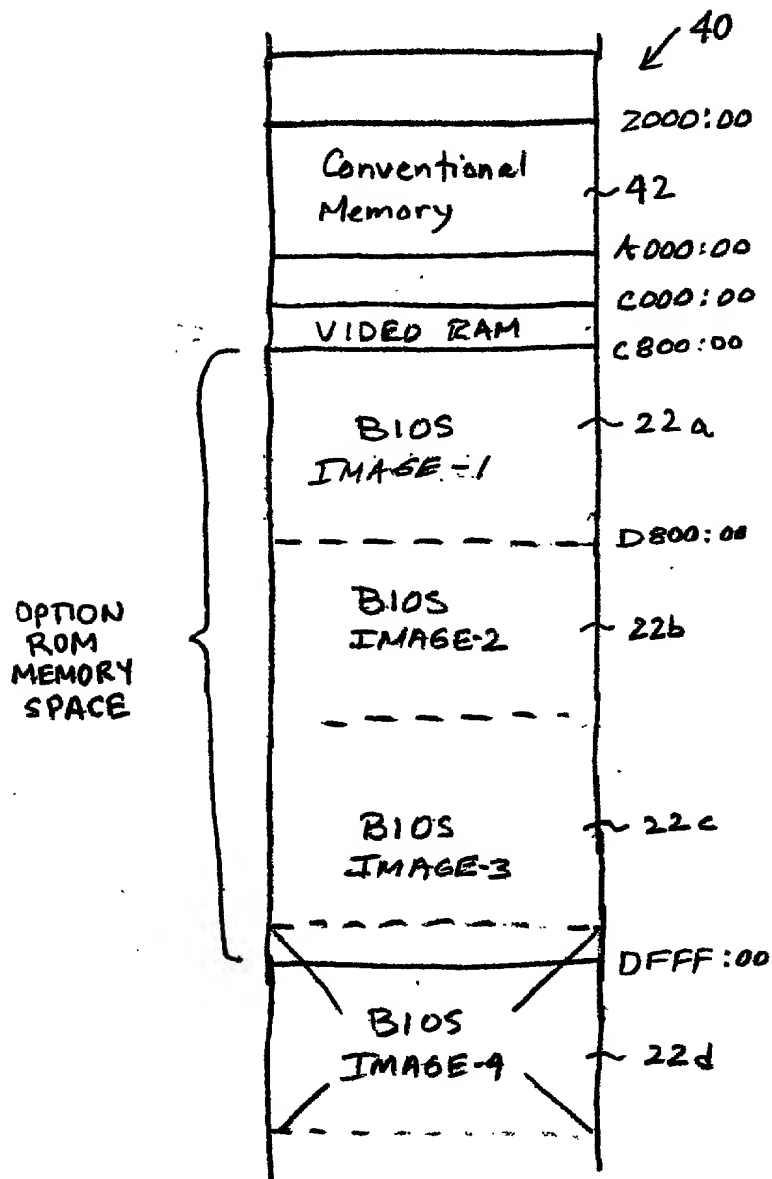


FIG. 1B
(prior art)

09040580.072001

00010590 072000

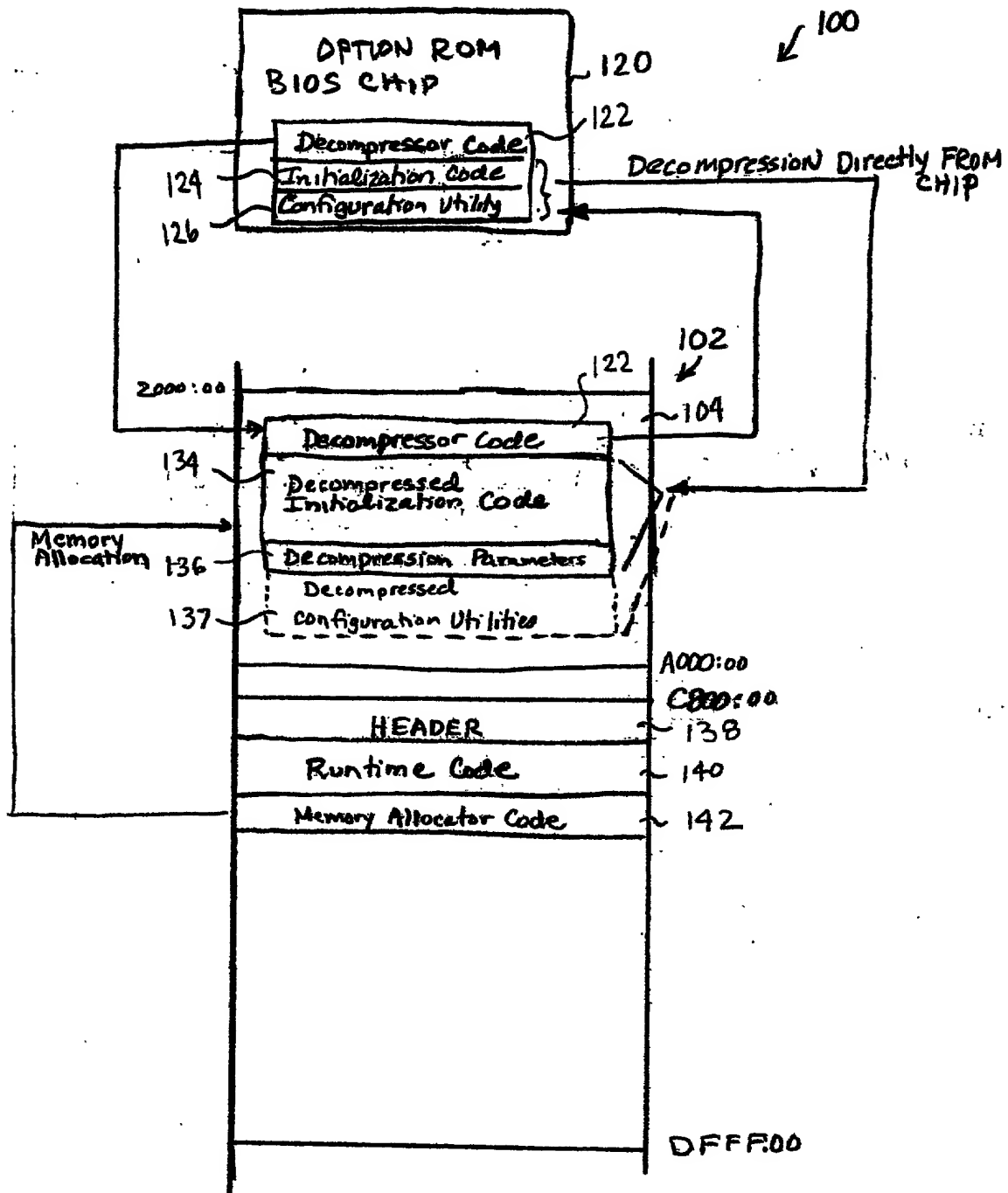


FIG. 2A

Start

200

Provide a controller card having an option ROM chip

202

Execute System BIOS of the computer system having the controller card

204

System BIOS loads Header, Runtime Code and Memory Allocator Code to an option ROM memory space of system RAM

206

System BIOS passes control to Memory Allocator

208

Execute Memory Allocator to allocate memory in conventional memory of the system RAM

210

Copy a Decompressor Code from the option ROM chip to a portion of the allocated memory of the conventional memory

- 212

Pass control to the Decompressor code

214

**Execute Decompressor code to
decompress initialization code directly from
option ROM chip**

216

Execute the decompressed initialization code to initialize the controller

218

Configuration utility ?

Y

A

2

Exit and give control to the system BIOS

222

End

FIG. 2B

00010580.072004

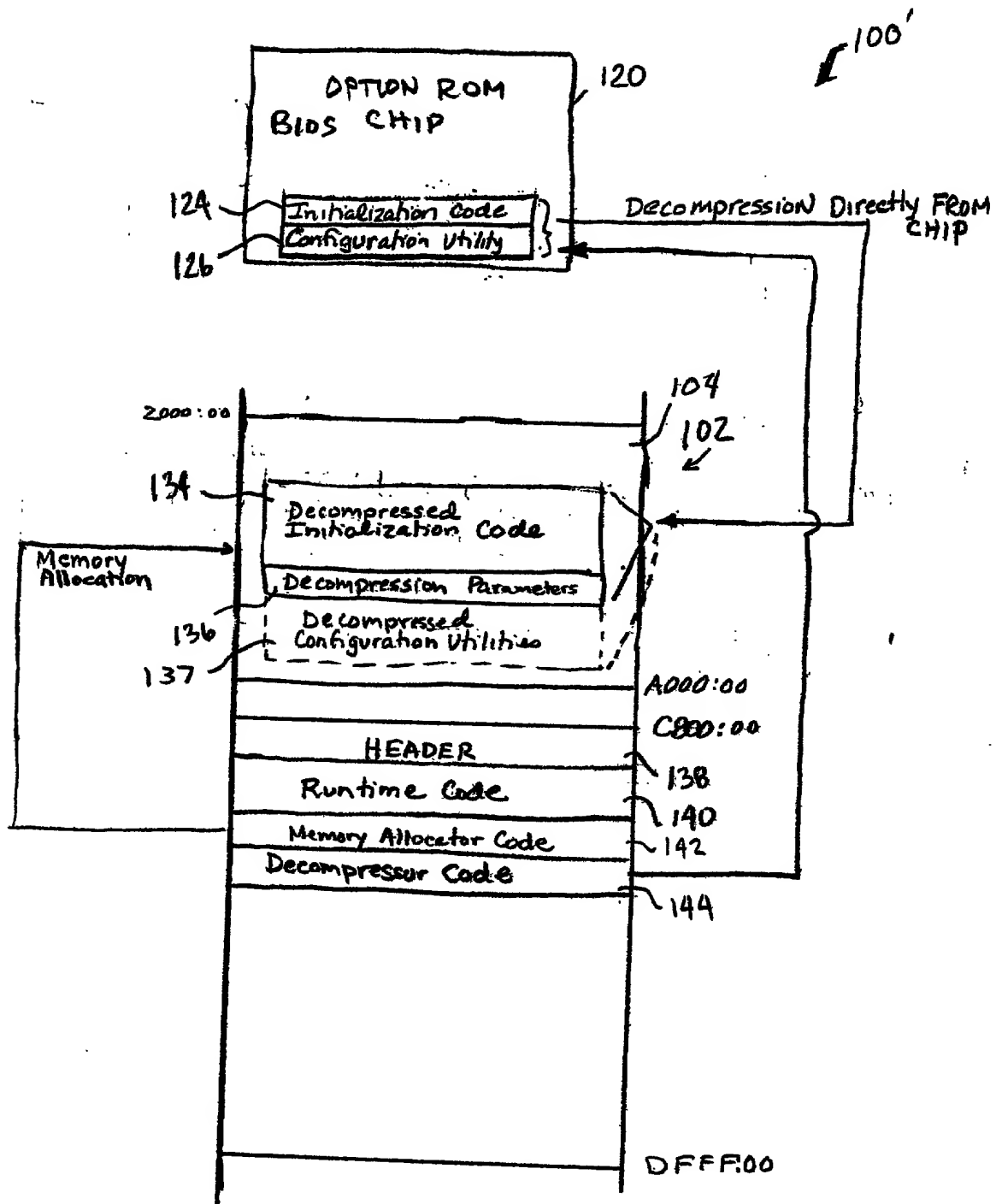


FIG. 3A

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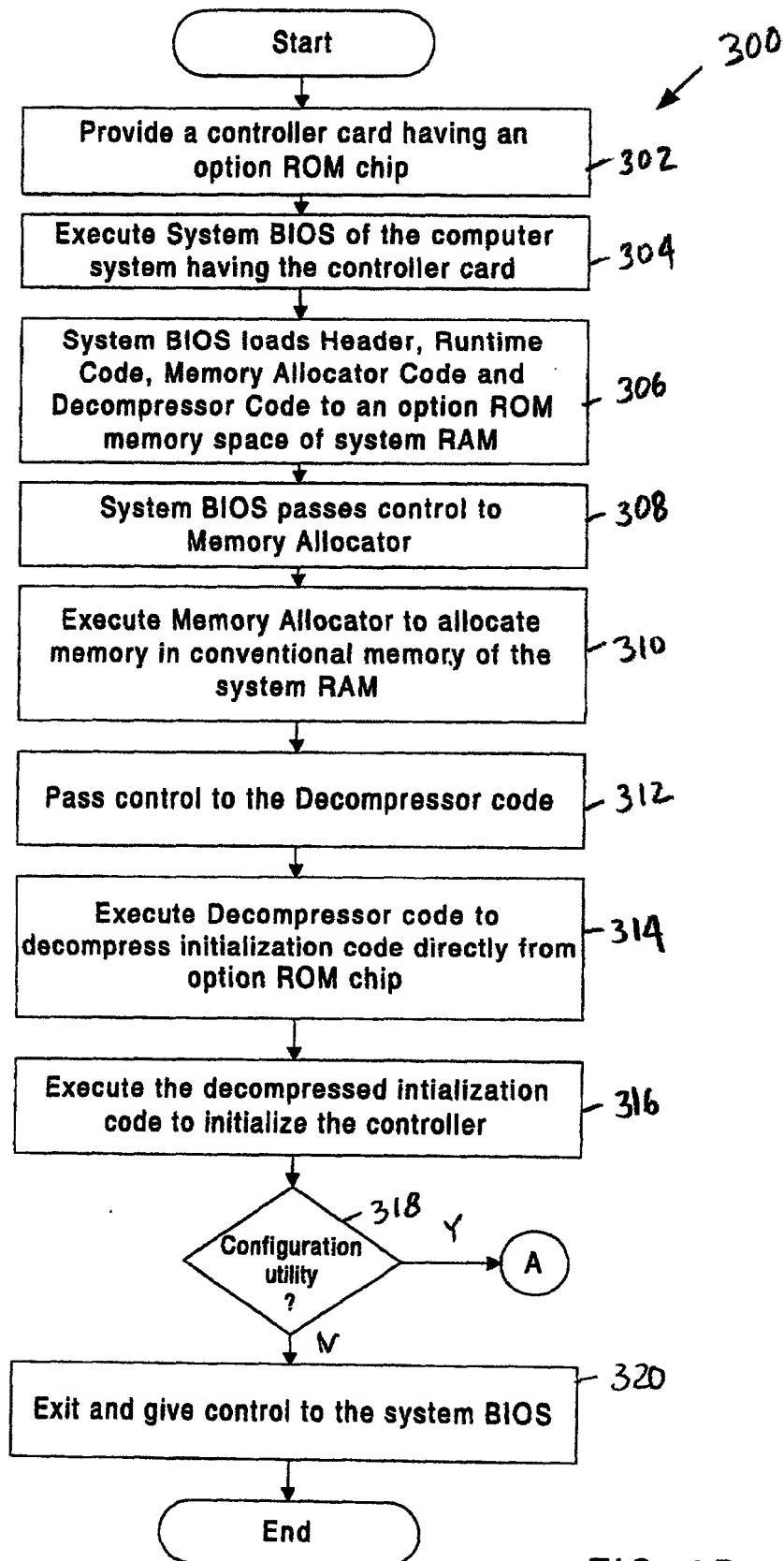


FIG. 3B

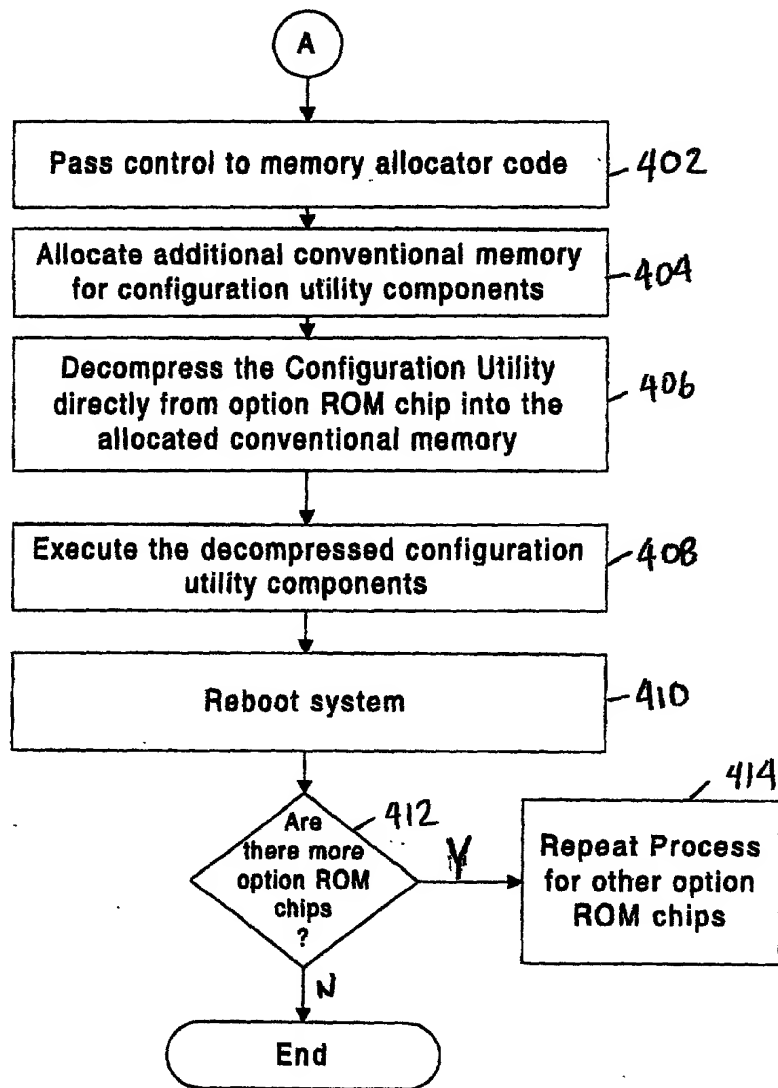
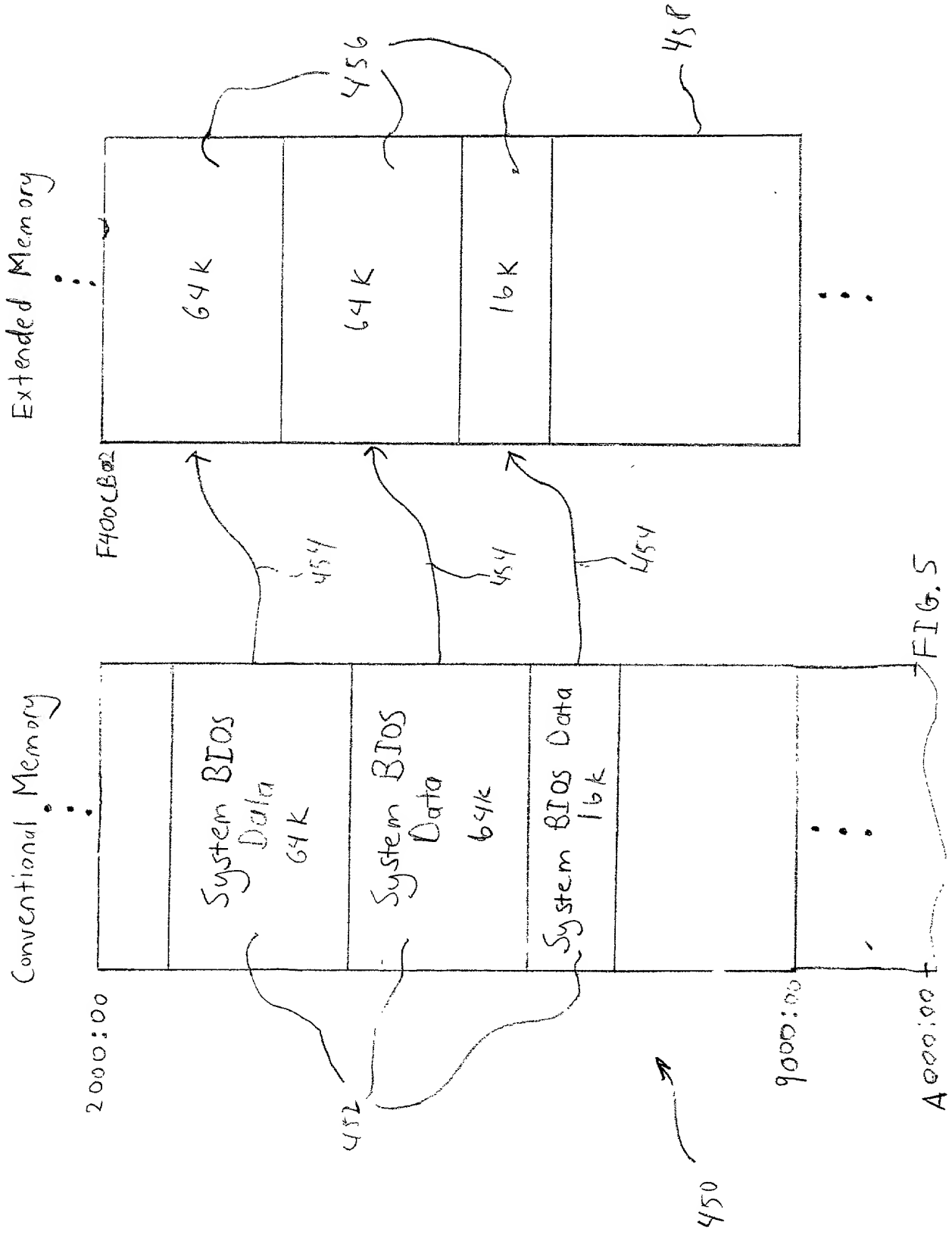


FIG.4



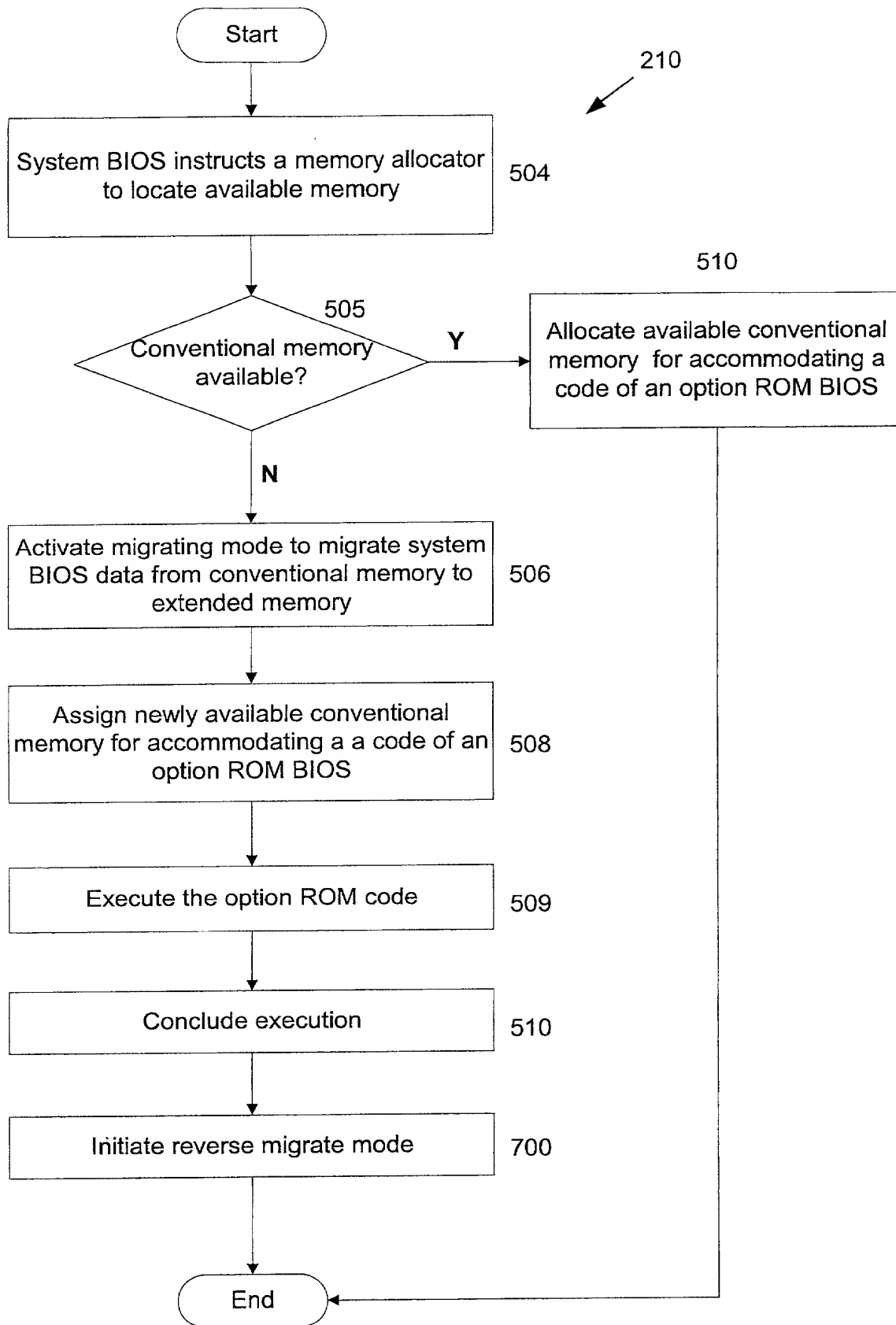


FIG. 6

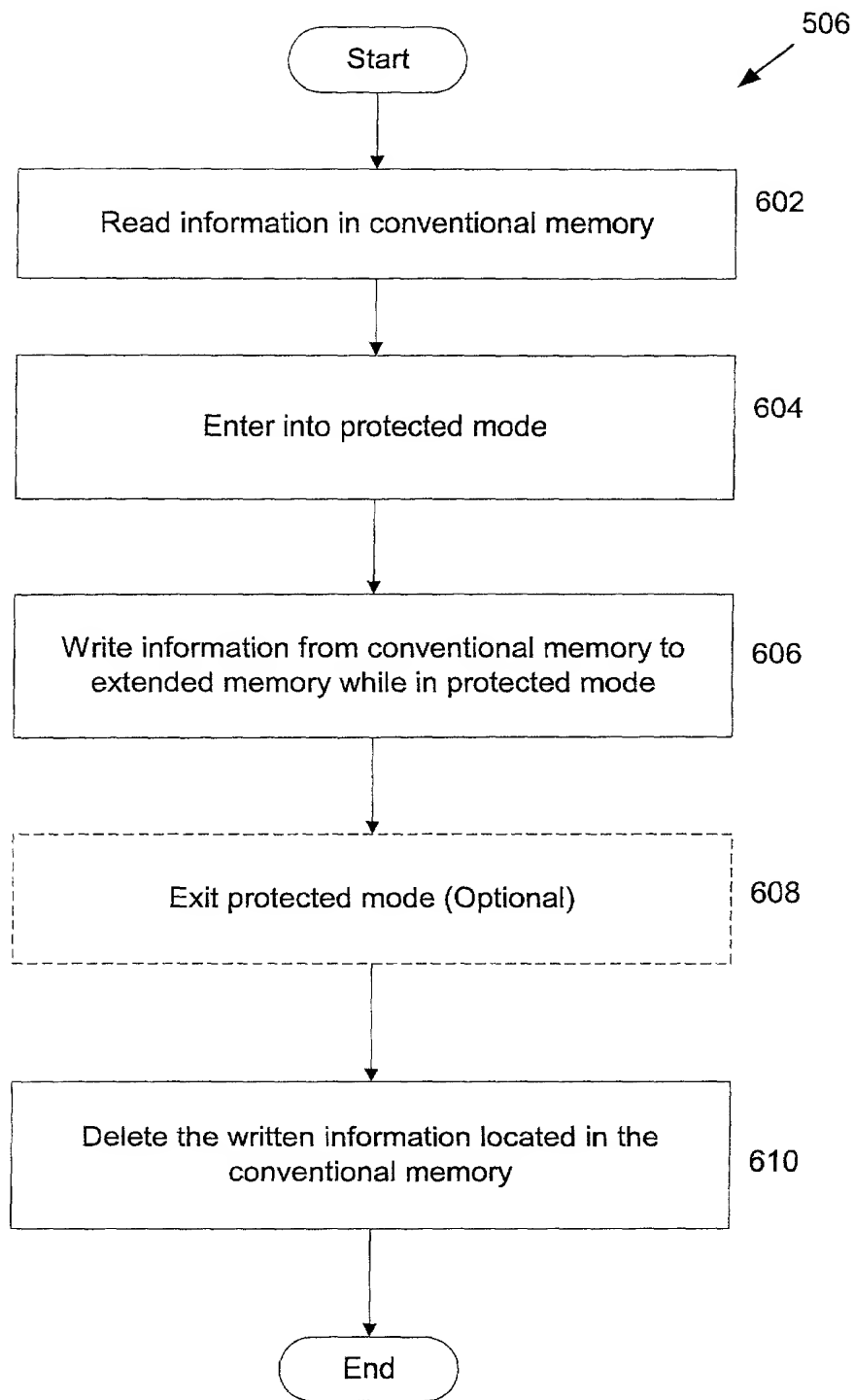


FIG. 7

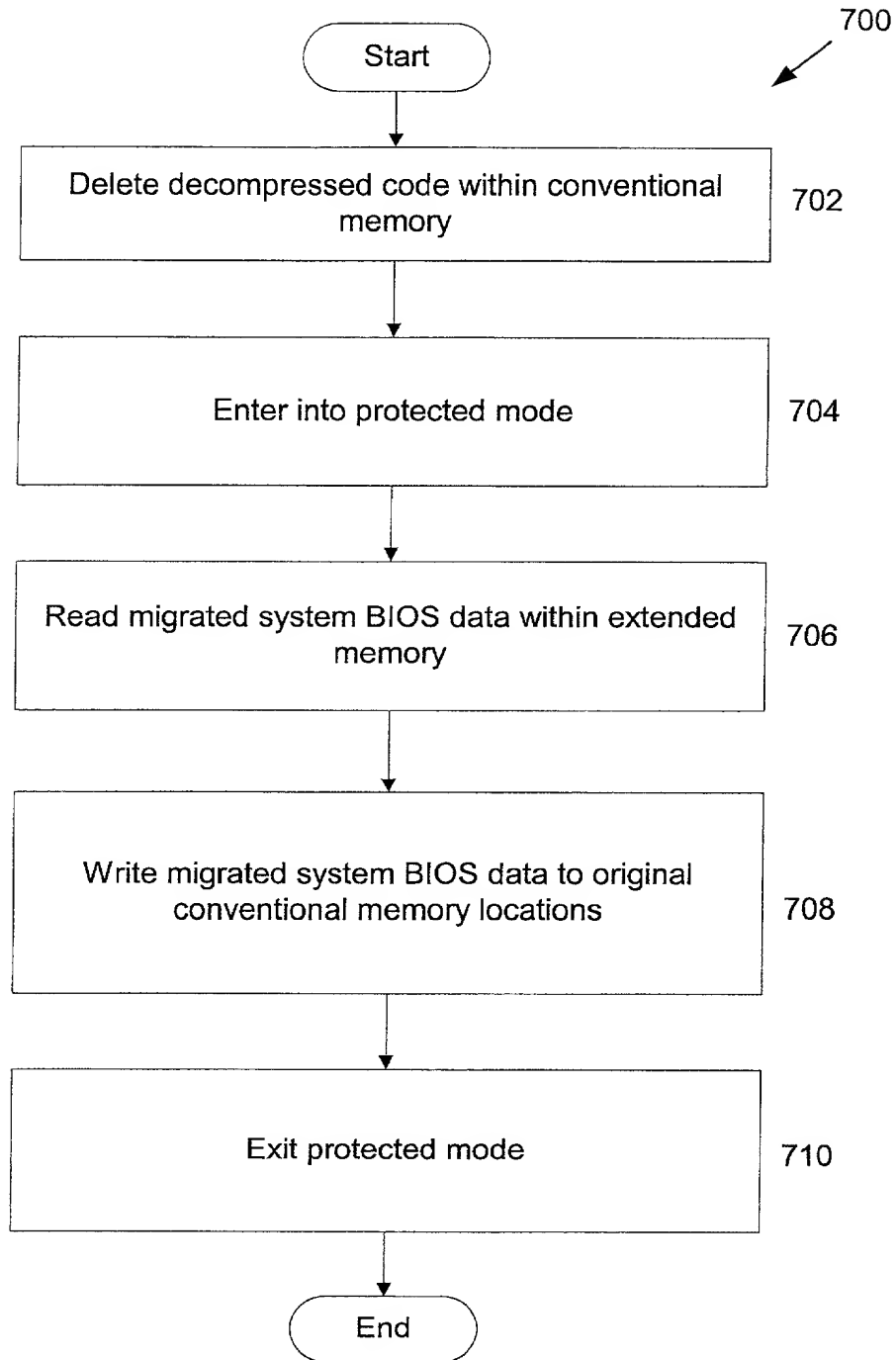


FIG. 8